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FIG. 1

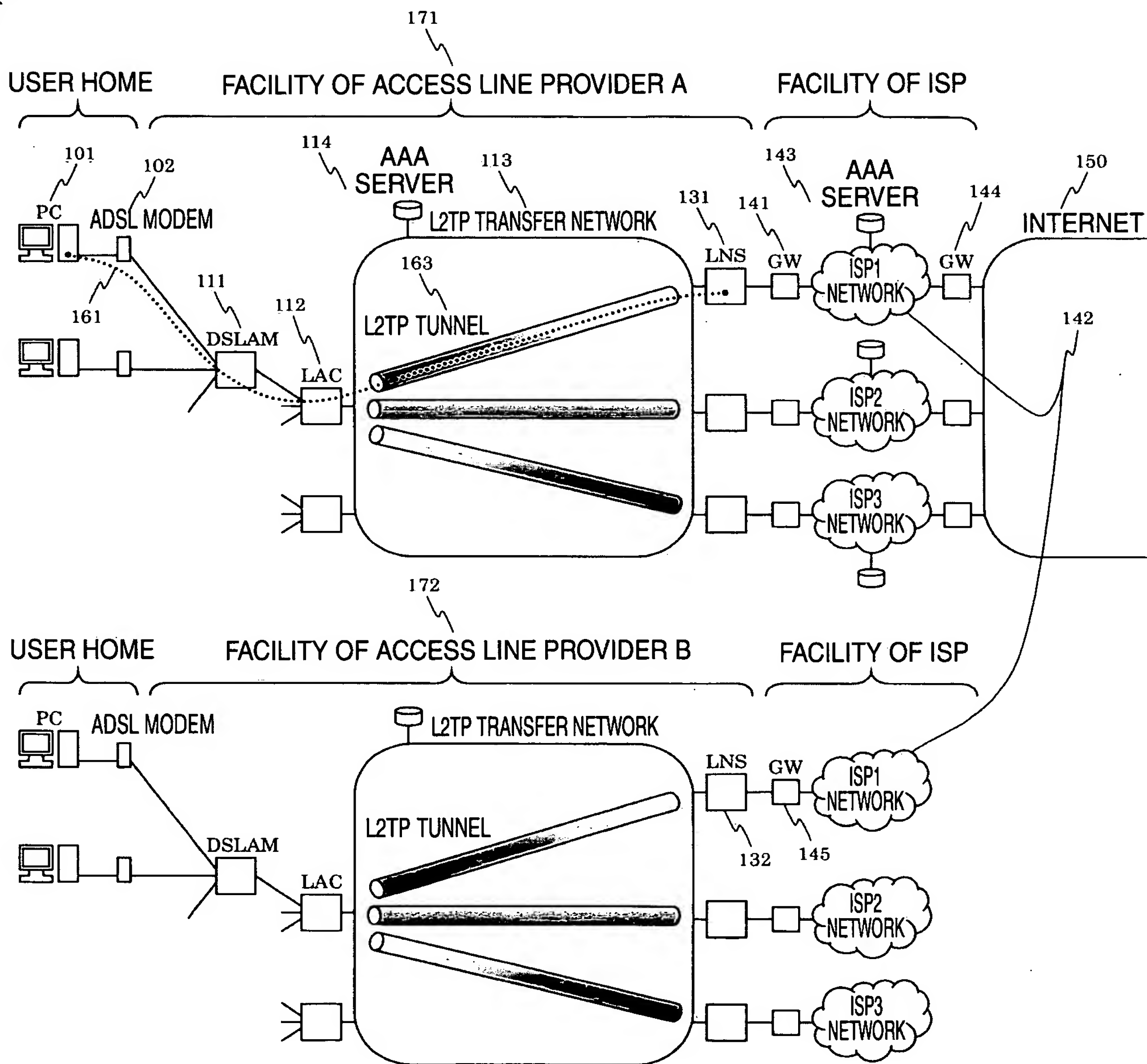


FIG. 2

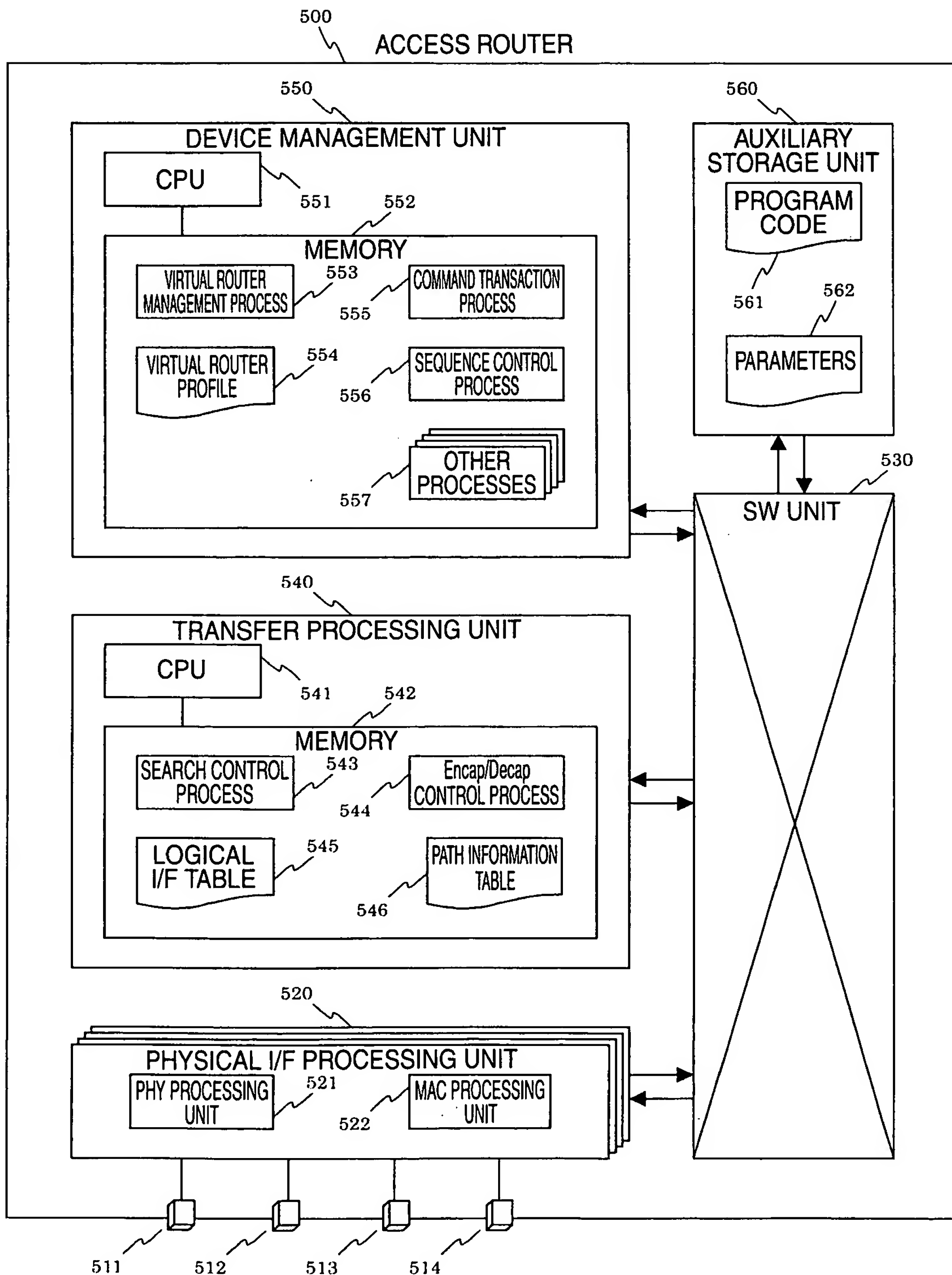


FIG. 3

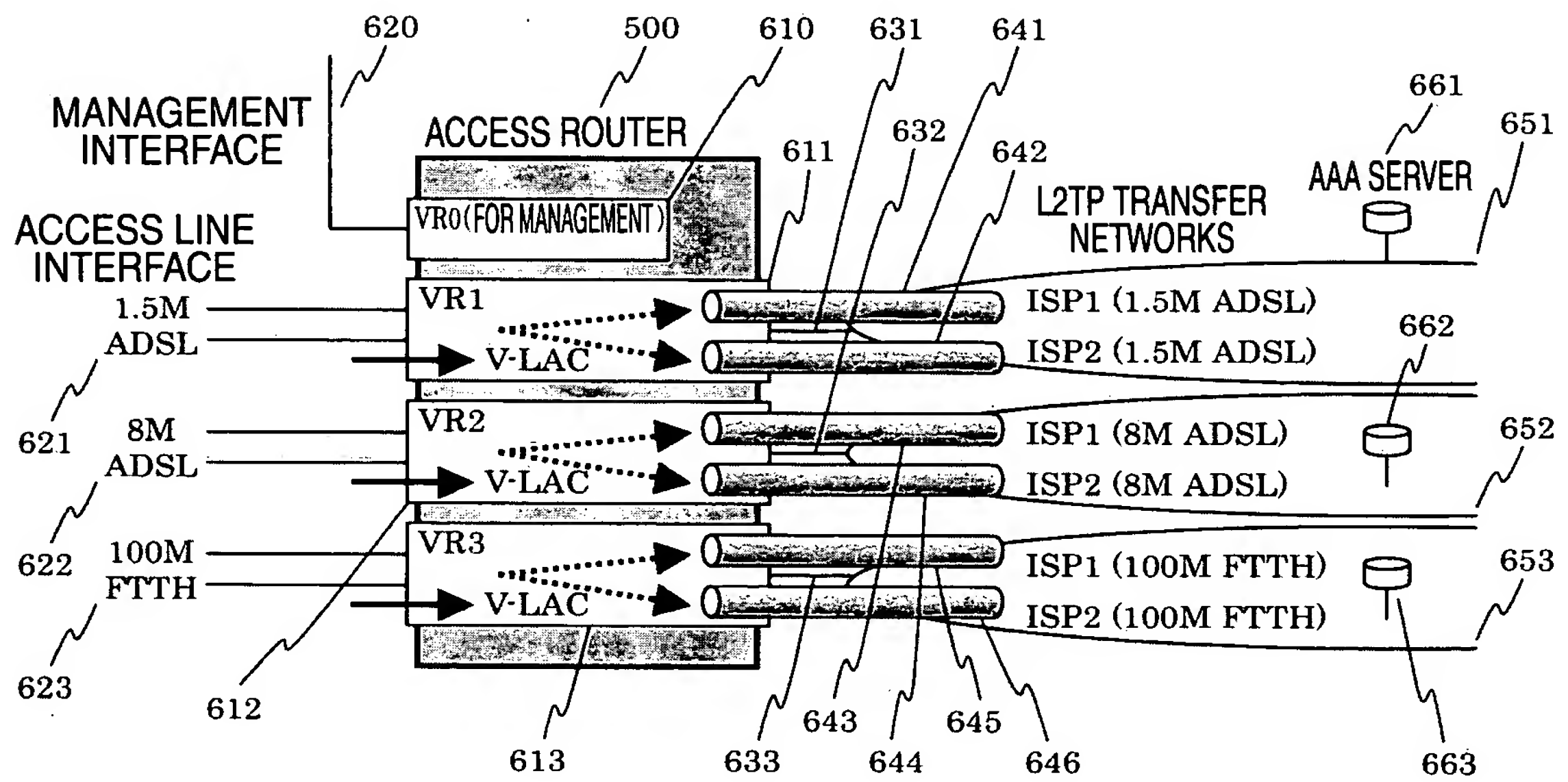


FIG. 4

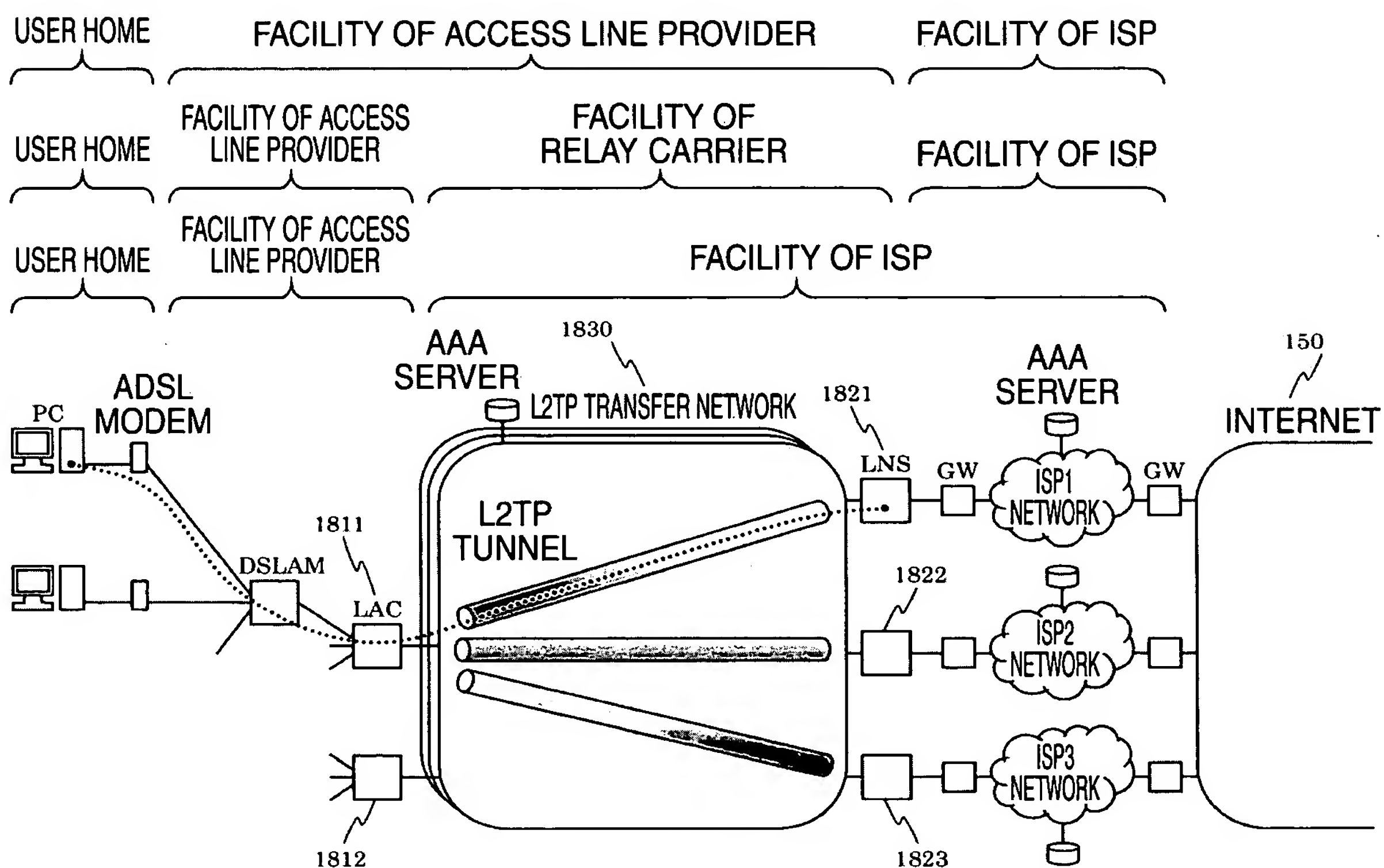


FIG. 5A

	2001	2002	2003	2004	2005	2006	2007
	VIRTUAL ROUTER	PHYSICAL I/F	PROTOCOL	LOGICAL I/F	Rx/Tx	ACTION	VIRTUAL ROUTER
2021	.	ATM_11	PPPoE	PVC_11	Rx	Decap_PPPoE	VR_1
2022	VR_1	.	PPP	PPPoE_11	Rx	Map_L2TP	VR_1
2023	VR_1	.	PPP	Session_12	Tx	Encap_L2TP	VR_1
2024	VR_1	.	L2TP	Tunnel_12	Tx	Encap_UDP/IP	VR_1
2025	VR_1	.	IP	UDP_1701	Tx	Route	VR_1
2027	VR_1	Ether_12	IP	.	Tx	Forward	.
2031	.	Ether_12	IP	.	Rx	Route	VR_1
2033	VR_1	.	UDP/IP	UDP_1701	Rx	Decap_UDP/IP	VR_1
2034	VR_1	.	L2TP	Tunnel_12	Rx	Decap_L2TP	VR_1
2035	VR_1	.	PPP	Session_12	Rx	Map_PPPoE	VR_1
2036	VR_1	.	PPP	PPPoE_11	Tx	Encap_PPPoE	VR_1
2037	VR_1	ATM_11	PPPoE	PVC_11	Tx	Forward	.

FIG. 5B

	2011	2012	2013	2014	2015	2016	2017
	VIRTUAL ROUTER	DESTINATION IP ADDRESS	ADDRESS MASK	SELF-ADDRESSED	NextHop ADDRESS	PHYSICAL I/F	LOGICAL I/F
2026	VR_1	192.168.20.1	255.255.255.0	0	192.168.10.2	Ether_12	.
2032	VR_1	192.168.10.1	255.255.255.0	1	.	.	UDP_1701

FIG. 6

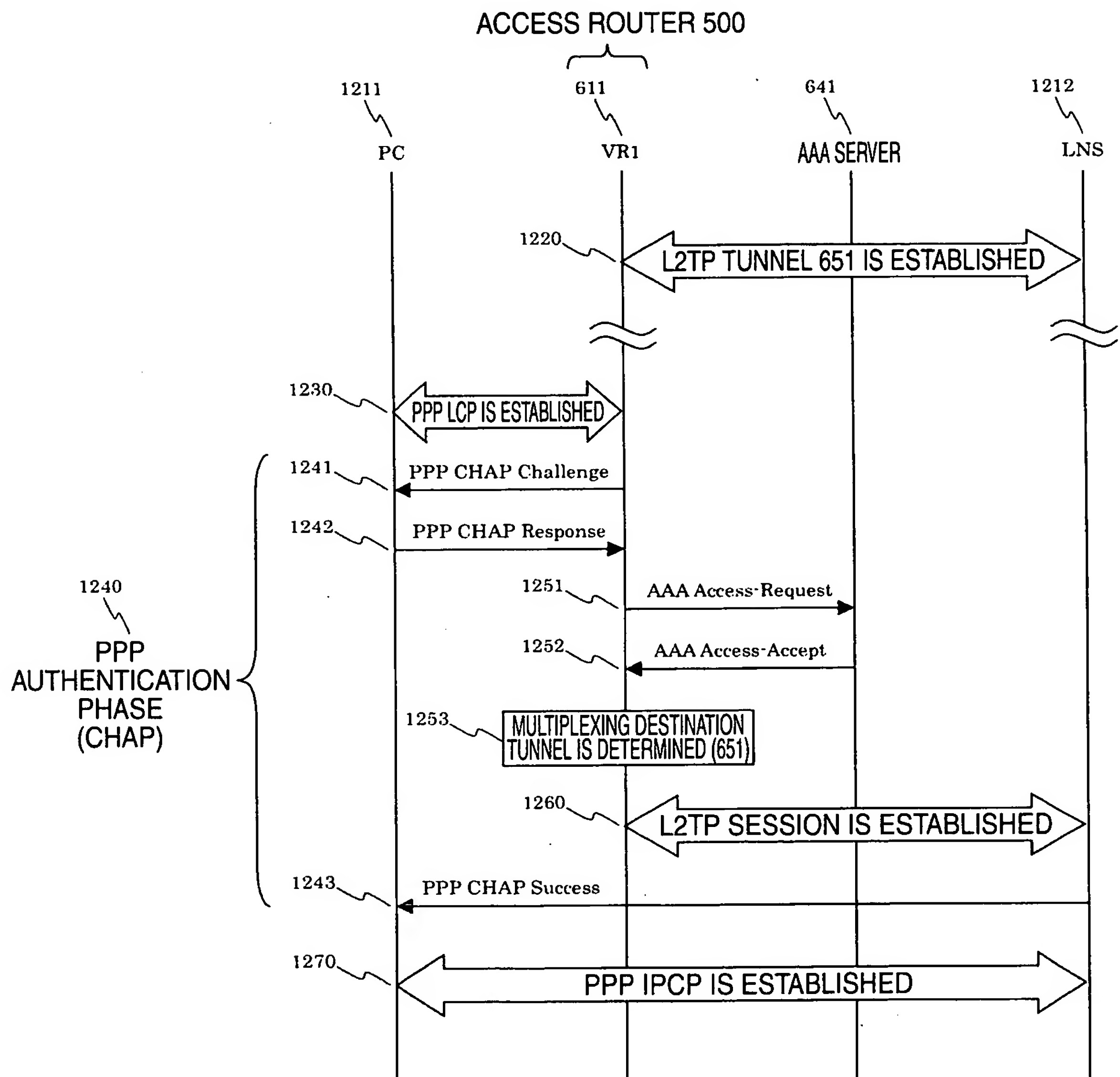


FIG. 7

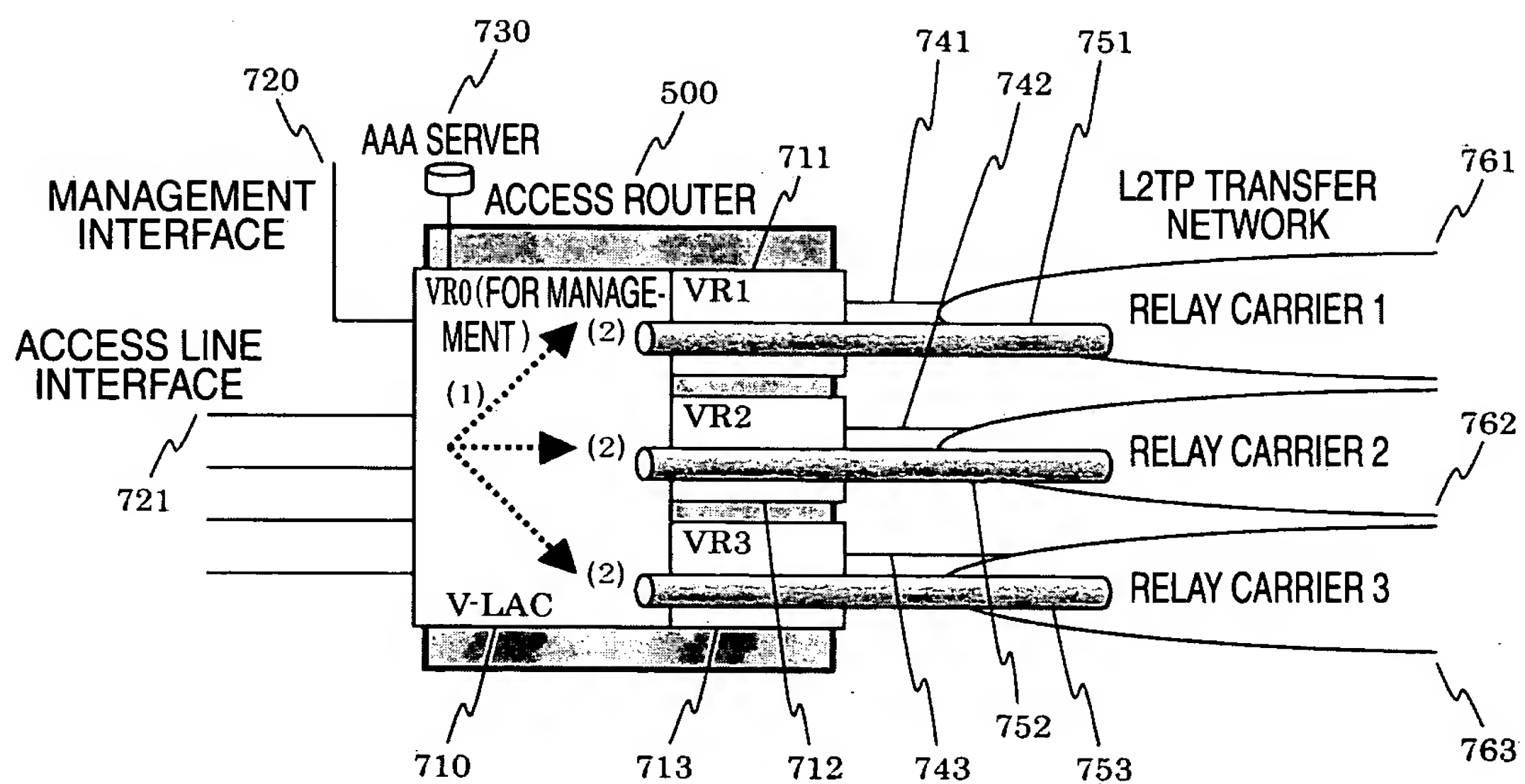


FIG. 8A

	2101	2102	2103	2104	2105	2106	2107
	VIRTUAL ROUTER	PHYSICAL I/F	PROTOCOL	LOGICAL I/F	Rx/Tx	ACTION	VIRTUAL ROUTER
2121	.	ATM_11	PPPoE	PVC_11	Rx	Decap_PPPoE	VR_0
2122	VR_0	.	PPP	PPPoE_11	Rx	Map_L2TP	VR_0
2123	VR_0	.	PPP	Session_12	Tx	Encap_L2TP	VR_1
2124	VR_1	.	L2TP	Tunnel_12	Tx	Encap_UDP/IP	VR_1
2125	VR_1	.	IP	UDP_1701	Tx	Route	VR_1
2127	VR_1	Ether_12	IP	.	Tx	Forward	.
2131	.	Ether_12	IP	.	Rx	Route	VR_1
2133	VR_1	.	UDP/IP	UDP_1701	Rx	Decap_UDP/IP	VR_0
2134	VR_0	.	L2TP	Tunnel_12	Rx	Decap_L2TP	VR_0
2135	VR_0	.	PPP	Session_12	Rx	Map_PPPoE	VR_0
2136	VR_0	.	PPP	PPPoE_11	Tx	Encap_PPPoE	VR_0
2137	VR_0	ATM_11	PPPoE	PVC_11	Tx	Forward	.

FIG. 8B

	2111	2112	2113	2114	2115	2116	2117
	VIRTUAL ROUTER	DESTINATION IP ADDRESS	ADDRESS MASK	SELF-ADDRESSED	NextHop ADDRESS	PHYSICAL I/F	LOGICAL I/F
2126	VR_1	192.168.20.1	255.255.255.0	0	192.168.10.2	Ether_12	.
2132	VR_1	192.168.10.1	255.255.255.0	1	.	.	UDP_1701

FIG. 9

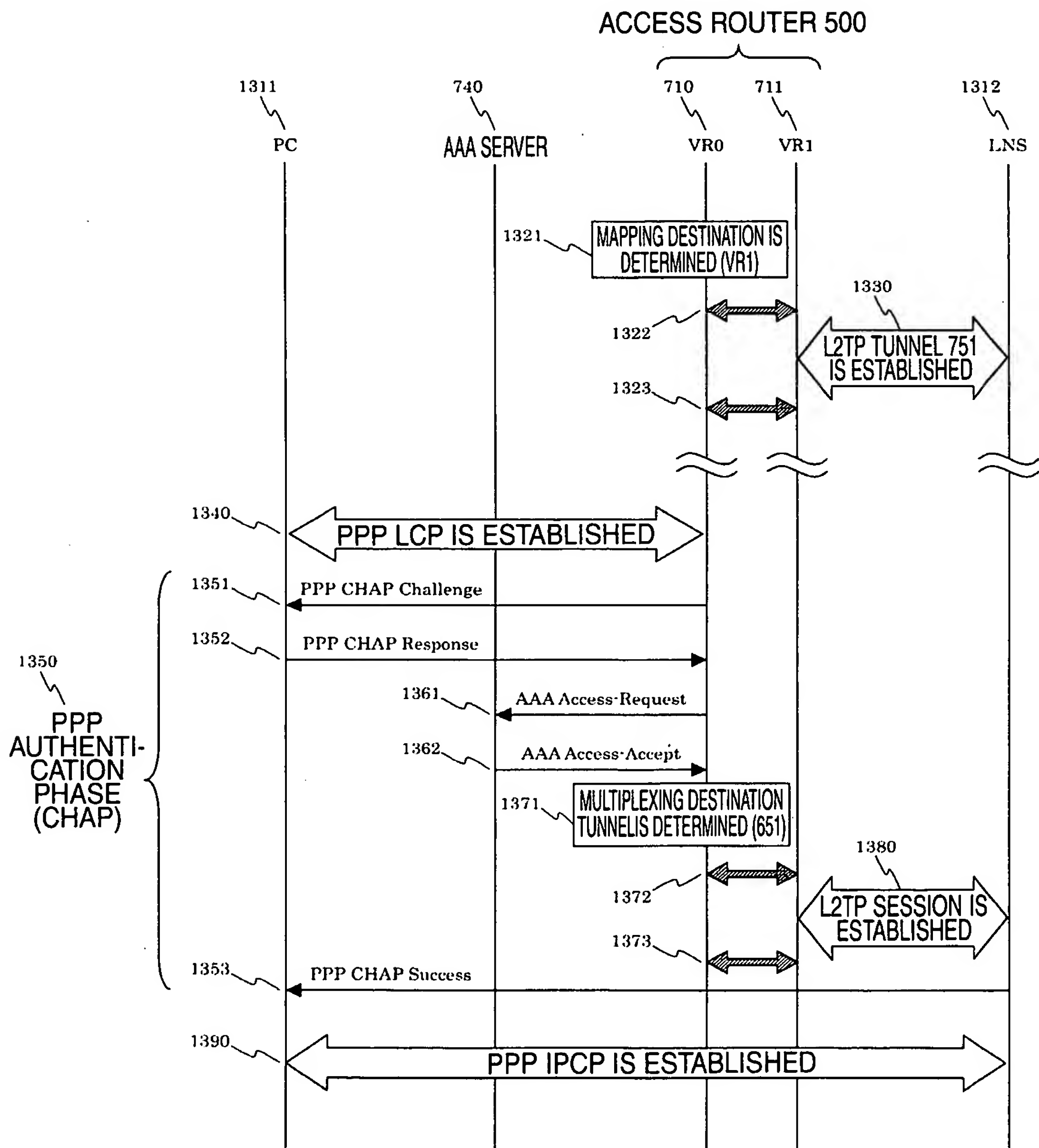


FIG. 10

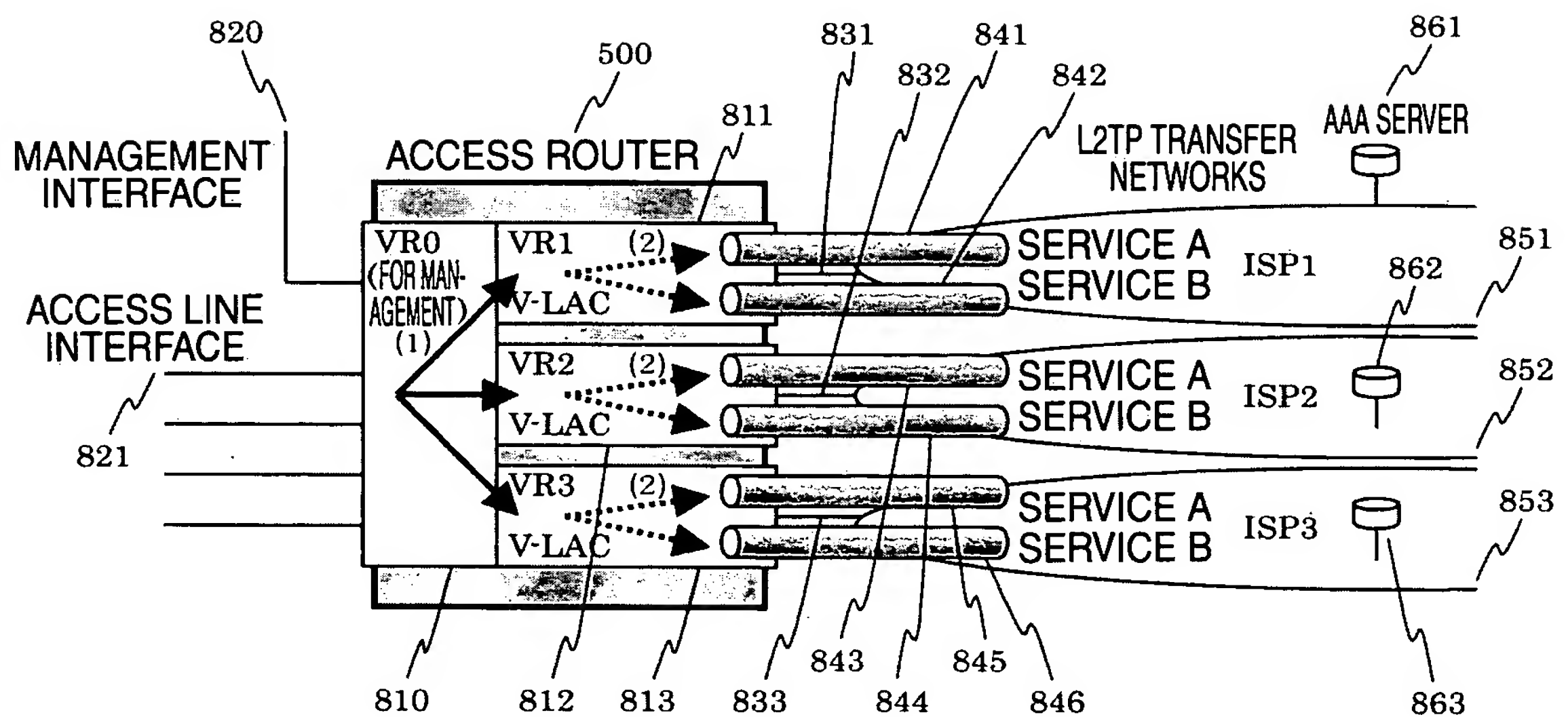


FIG. 11A

2201	2202	2203	2204	2205	2206	2207
VIRTUAL ROUTER	PHYSICAL I/F	PROTOCOL	LOGICAL I/F	Rx/Tx	ACTION	VIRTUAL ROUTER
.	ATM_11	PPPoE	PVC_11	Rx	Decap_PPPoE	VR_0
VR_0	.	PPP	PPPoE_11	Rx	Map_L2TP	VR_1
VR_1	.	PPP	Session_12	Tx	Encap_L2TP	VR_1
VR_1	.	L2TP	Tunnel_12	Tx	Encap_UDP/IP	VR_1
VR_1	.	IP	UDP_1701	Tx	Route	VR_1
VR_1	Ether_12	IP	.	Tx	Forward	.
.	Ether_12	IP	.	Rx	Route	VR_1
VR_1	.	UDP/IP	UDP_1701	Rx	Decap_UDP/IP	VR_1
VR_1	.	L2TP	Tunnel_12	Rx	Decap_L2TP	VR_0
VR_0	.	PPP	Session_12	Rx	Map_PPPoE	VR_0
VR_0	.	PPP	PPPoE_11	Tx	Encap_PPPoE	VR_0
VR_0	ATM_11	PPPoE	PVC_11	Tx	Forward	.

FIG. 11B

2211	2212	2213	2214	2215	2216	2217
VIRTUAL ROUTER	DESTINATION IP ADDRESS	ADDRESS MASK	SELF-ADDRESSED	NextHop ADDRESS	PHYSICAL I/F	LOGICAL I/F
VR_1	192.168.20.1	255.255.255.0	0	192.168.10.2	Ether_12	.
VR_1	192.168.10.1	255.255.255.0	1	.	.	UDP_1701

FIG. 12

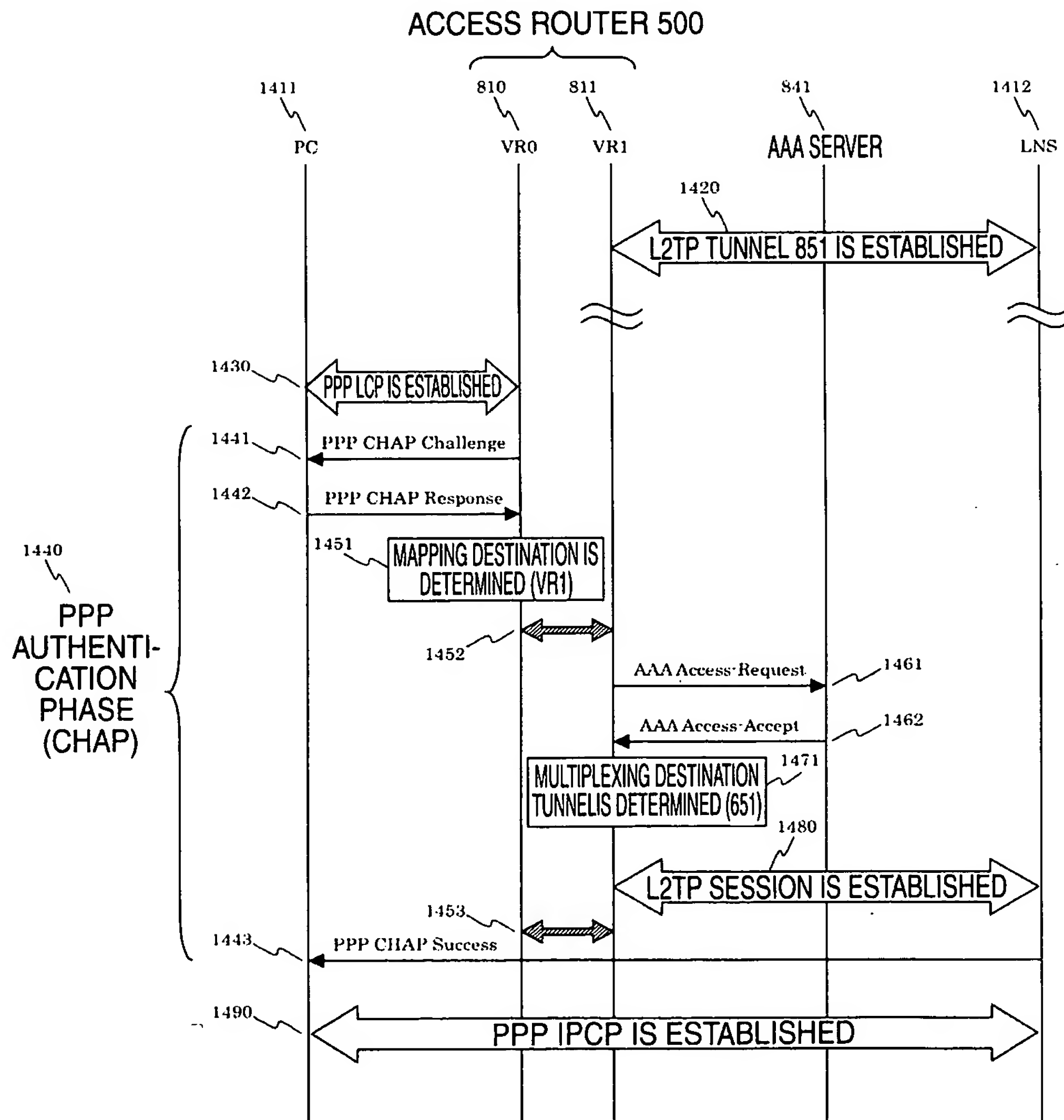


FIG. 13

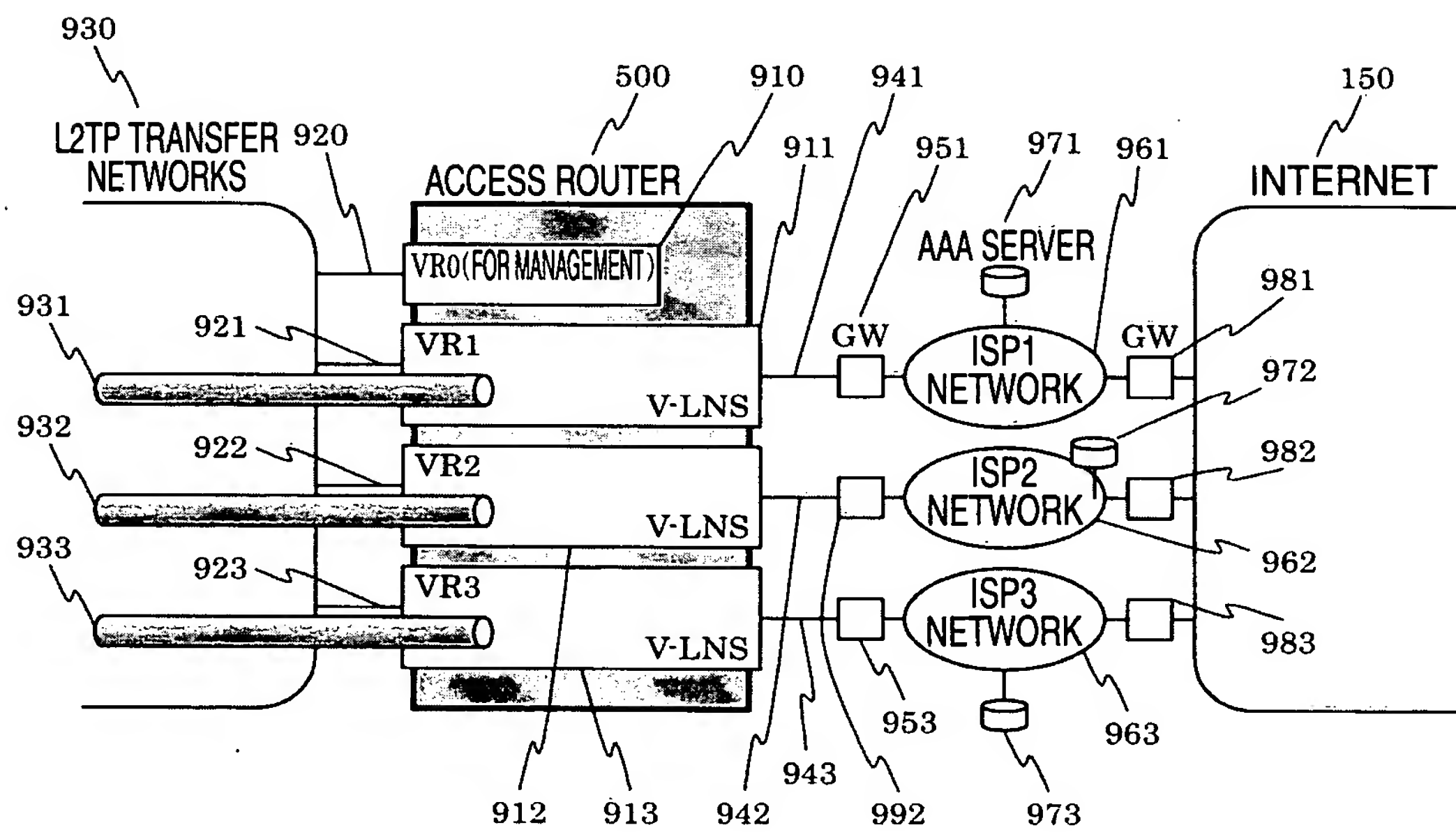


FIG. 14A

2301	2302	2303	2304	2305	2306	2307
VIRTUAL ROUTER	PHYSICAL I/F	PROTOCOL	LOGICAL I/F	Rx/Tx	ACTION	VIRTUAL ROUTER
.	Ether_21	IP	.	Rx	Route	VR_1
VR_1	.	UDP/IP	UDP_1701	Rx	Decap_UDP/IP	VR_1
VR_1	.	L2TP	Tunnel_21	Rx	Decap_L2TP	VR_1
VR_1	.	PPP	Session_21	Rx	Decap_PPP	VR_1
VR_1	.	IP	Session_21	Rx	Route	VR_1
VR_1	Ether_22	IP	.	Tx	Forward	.
.	Ether_22	IP	.	Rx	Route	VR_1
VR_1	.	IP	Session_21	Tx	Encap_PPP	VR_1
VR_1	.	PPP	Session_21	Tx	Encap_L2TP	VR_1
VR_1	.	L2TP	Tunnel_21	Tx	Encap_UDP/IP	VR_1
VR_1	.	IP	UDP_1701	Tx	Route	VR_1
VR_1	Ether_21	IP	.	Tx	Forward	.

FIG. 14B

2311	2312	2313	2314	2315	2316	2317
VIRTUAL ROUTER	DESTINATION IP ADDRESS	ADDRESS MASK	SELF-ADDRESSED	NextHop ADDRESS	PHYSICAL I/F	LOGICAL I/F
VR_1	192.168.20.1	255.255.255.0	1	.	.	UDP_1701
VR_1	158.214.2.5	255.255.255.0	0	158.214.1.1	Ether_22	.
VR_1	133.144.69.112	255.255.255.0	0	.	.	Session_21
VR_1	192.168.10.1	255.255.255.0	0	192.168.20.2	Ether_21	.

FIG. 15

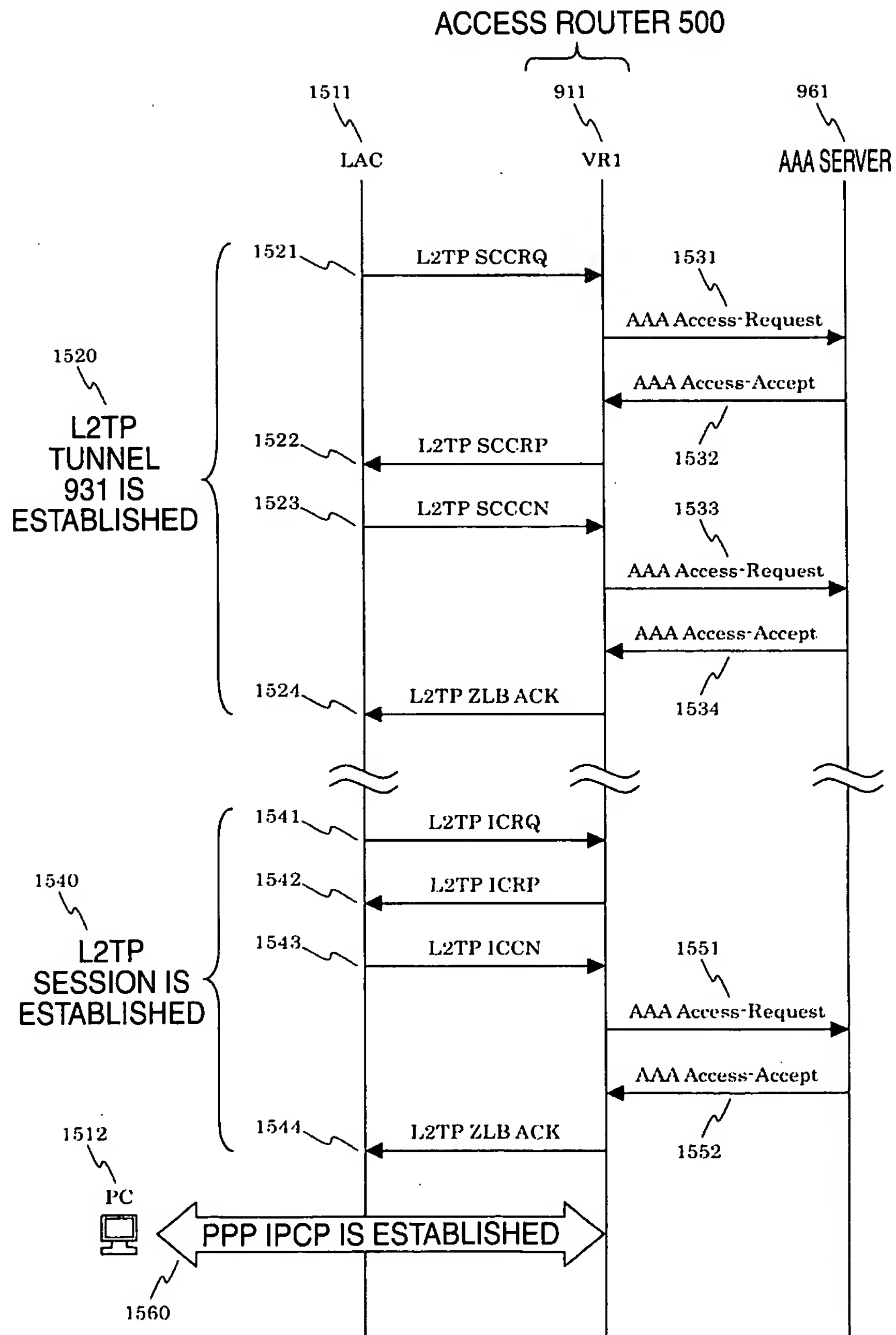


FIG. 16

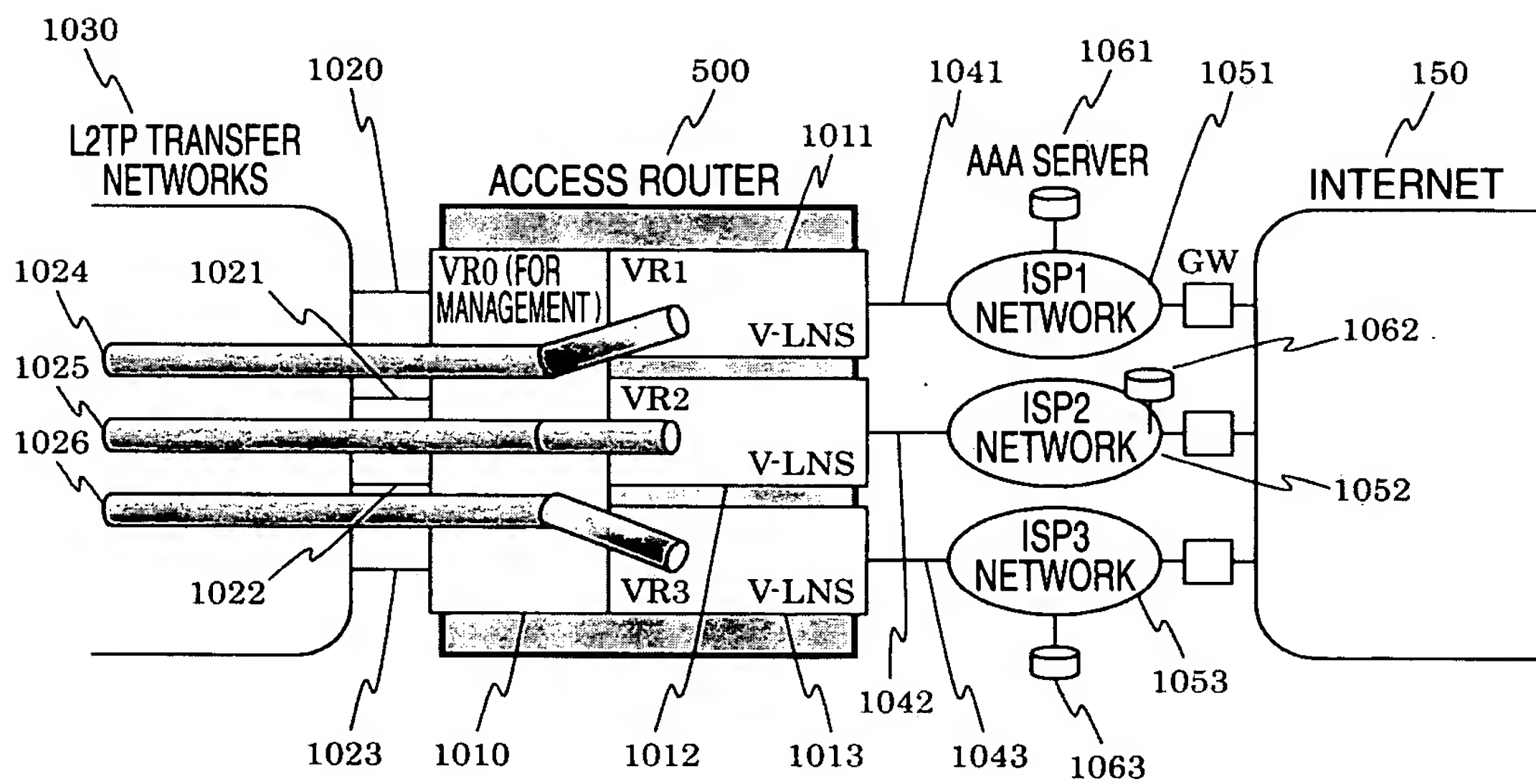


FIG. 17A

	2401	2402	2403	2404	2405	2406	2407
	VIRTUAL ROUTER	PHYSICAL I/F	PROTOCOL	LOGICAL I/F	Rx/Tx	ACTION	VIRTUAL ROUTER
2421	.	Ether_21	IP	.	Rx	Route	VR_0
2423	VR_0	.	UDP/IP	UDP_1701	Rx	Decap_UDP/IP	VR_1
2424	VR_1	.	L2TP	Tunnel_21	Rx	Decap_L2TP	VR_1
2425	VR_1	.	PPP	Session_21	Rx	Decap_PPP	VR_1
2426	VR_1	.	IP	Session_21	Rx	Route	VR_1
2428	VR_1	Ether_22	IP	.	Tx	Forward	.
2431	.	Ether_22	IP	.	Rx	Route	VR_1
2433	VR_1	.	IP	Session_21	Tx	Encap_PPP	VR_1
2434	VR_1	.	PPP	Session_21	Tx	Encap_L2TP	VR_0
2435	VR_0	.	L2TP	Tunnel_21	Tx	Encap_UDP/IP	VR_0
2436	VR_0	.	IP	UDP_1701	Tx	Route	VR_0
2438	VR_0	Ether_21	IP	.	Tx	Forward	.

FIG. 17B

	2411	2412	2413	2414	2415	2416	2417
2422							
2427							
2432							
2437							

FIG. 18

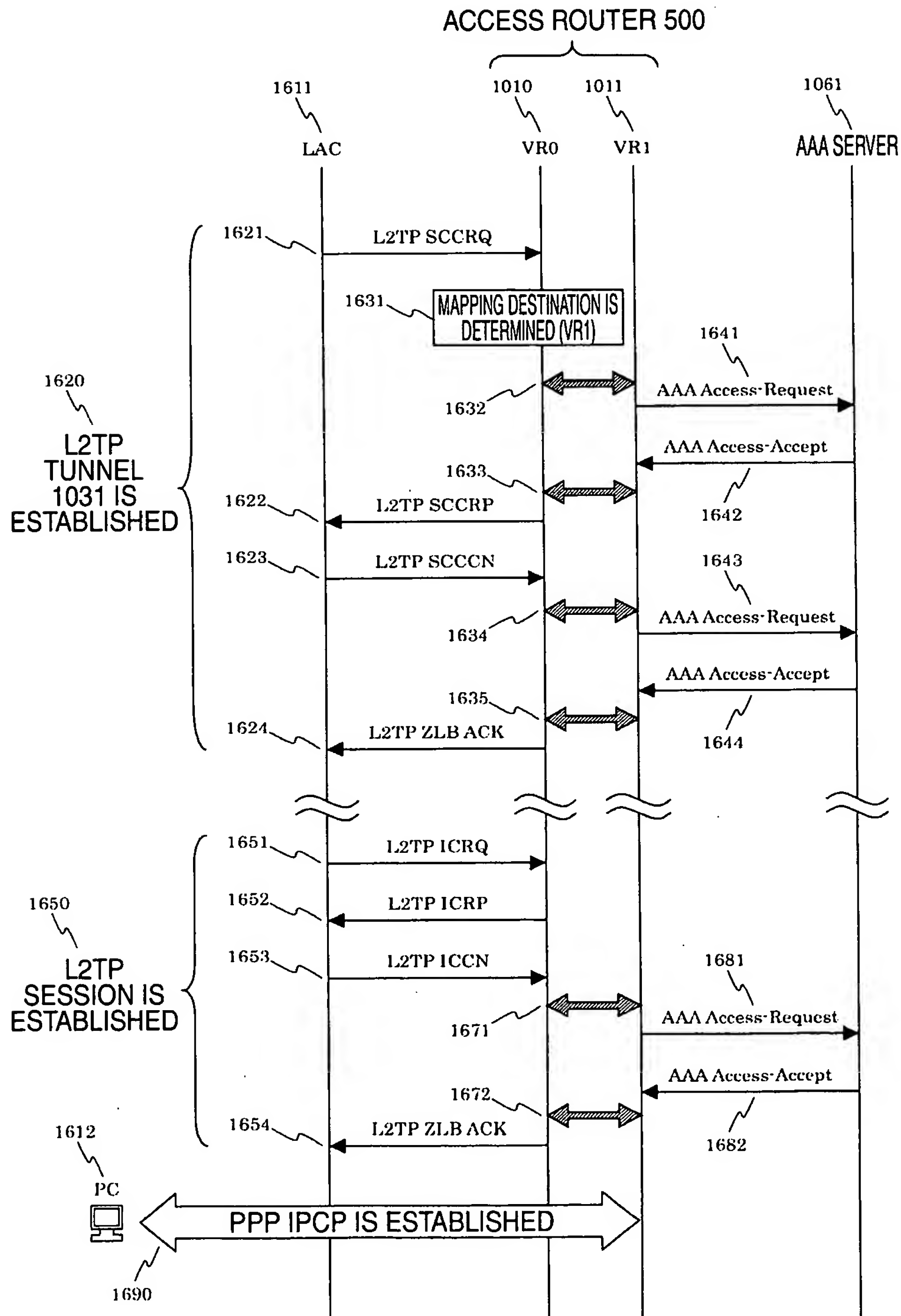


FIG. 19

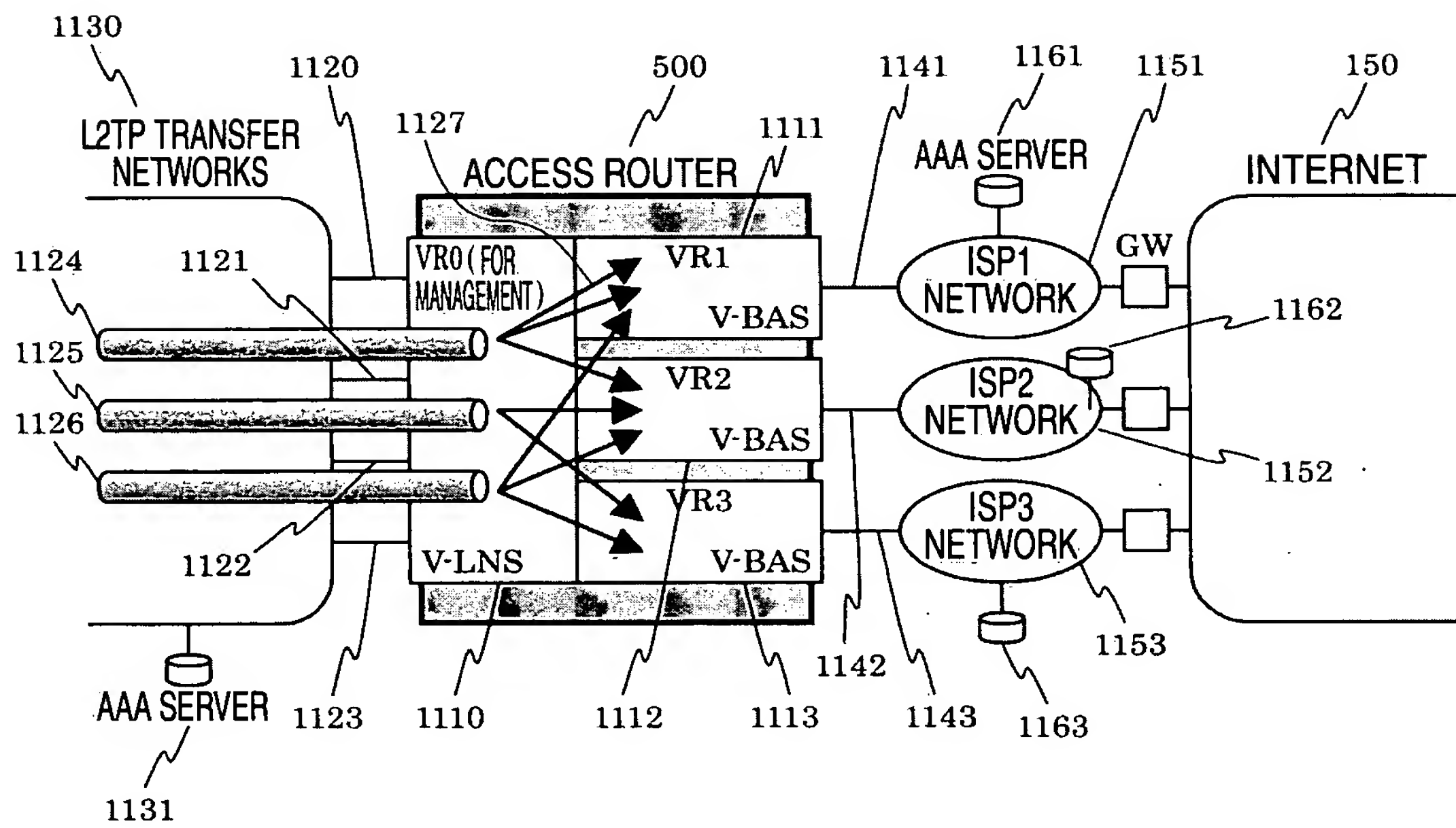


FIG. 20A

2501	2502	2503	2504	2505	2506	2507
VIRTUAL ROUTER	PHYSICAL IF	PROTOCOL	LOGICAL IF	Rx/Tx	ACTION	VIRTUAL ROUTER
2521	Ether_21	IP	.	Rx	Route	VR_0
2523	.	UDP/IP	UDP_1701	Rx	Decap_UDP/IP	VR_0
2524	.	L2TP	Tunnel_21	Rx	Decap_L2TP	VR_1
2525	.	PPP	Session_21	Rx	Decap_PPP	VR_1
2526	.	IP	Session_21	Rx	Route	VR_1
2528	Ether_22	IP	.	Tx	Forward	.
2531	Ether_22	IP	.	Rx	Route	VR_1
2533	.	IP	Session_21	Tx	Encap_PPP	VR_0
2534	.	PPP	Session_21	Tx	Encap_L2TP	VR_0
2535	.	L2TP	Tunnel_21	Tx	Encap_UDP/IP	VR_0
2536	.	IP	UDP_1701	Tx	Route	VR_0
2538	Ether_21	IP	.	Tx	Forward	.

FIG. 20B

	2511	2512	2513	2514	2515	2516	2517
VIRTUAL ROUTER		DESTINATION IP ADDRESS	ADDRESS MASK	SELF-ADDRESSED	NextHop ADDRESS	PHYSICAL I/F	LOGICAL I/F
VR_0		192.168.20.1	255.255.255.0	1	-	-	UDP_1701
VR_1		158.214.2.5	255.255.255.0	0	158.214.1.1	Ether_22	-
VR_1		133.144.69.112	255.255.255.0	0	-	-	Session_21
VR_0		192.168.10.1	255.255.255.0	0	192.168.20.2	Ether_21	-

FIG. 21

